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| Minutes of IEEE 802.1 OmniRAN TG Jan 14th – 16th Meeting  in Hiroshima, Japan | | | | |
| **Date: January 28th, 2019** | | | | |
| **Author(s):** | | | | |
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## Abstract

Minutes of the IEEE 802.1 OmniRAN TG meeting at the IEEE 802 Plenary Meeting in Hiroshima, Japan on Jan 14-16, 2019

Since the last F2F meeting held in Bangkok, OmniRAN TG held one conference call on 11th December. The approved minutes and notes can be found on the mentor.

* Confcall on 11th, December, 2018
* https://mentor.ieee.org/omniran/dcn/18/omniran-18-0093-00-00TG-dec-11th-confcall-minutes.docx

# Monday, January 14th, 2018

Chair: Max Riegel

Recording secretary: Hao Wang

## Call to order

* Meeting called to order by Max Riegel at 13:30 hrs.
* Meeting was guided by the slides uploaded and maintained by the chair:  
  <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0094-01-00TG-jan-2019-f2f-meeting-slides.pptx>

## Minutes

* Hao Wang volunteered to take notes.

## Attendance

* IEEE 802.1 meeting IMAT page was used for recording of attendance
* Participants

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| **Name** | **Affiliation** |
| Max Riegel | Nokia Bell Labs |
| Hao Wang | Fujitsu |
| Antonio de la Oliva | UC3M/Interdigital |
| Amelia Andersdotter | Article 19 |
| Tomoki Ohsawa | NICT |
| Hiroshi Ohue | Panasonic |
| Kenshi Harihata | Panasonic |
| Fumiko Ohori | NICT |
| Kenichi Maruhashi | NEC |
| Roger Marks | EthAirNet Assoc. -rem |
| Glenn Parsons | Ericsson |
| Yoshihisa Kondo | ATR |
| Satoko Itaya | NICT |
| Mick Seaman | Self |
| Shinichi Sato | Fujitsu |
| Toru Osuga | NICT |
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## IEEE WG Guidelines

* The chair presented the mandatory IEEE SA guideline slides and asked for anybody willing to make an IPR announcement.
* No IPR declarations were brought up.

## Agenda approval

* Agenda as proposed in the chair’s meeting slides was presented and discussed.
* Review of minutes
* Reports
* IEEE 802.1CF socialization activities
* P802.1CQ contributions and discussions
  + Requirements and scenarios documentation
  + Security threats of dynamic local address assignment protocol
  + 802.1 position on MAC randomization
* Input to liaison response to ITU-T JCA-IMT2020
* Potential Nendica related contributions preview
* Potential new projects for OmniRAN TG
* Conference calls until March 2019 F2F
* Status report to IEEE 802 WGs
* Next meeting
* AOB
* Agenda approved without further comments.

## Schedule of the topics during the week

* Chair discussed availabilities of the contributors and preferences to discuss the various topics.
* Group agreed to arrange the discussion topics according to the following plan over the week:
* ***Monday PM1***
* Review of minutes
* Reports
* IEEE 802.1CF socialization activities
* Potential Nendica related contributions preview
* Input to liaison response to ITU-T JCA-IMT2020
* ***Tuesday AM2 & PM1***
* P802.1CQ contributions and discussions
  + Requirements and scenarios documentation
  + Security threats of dynamic local address assignment protocol
  + 802.1 position on MAC randomization
* ***Wednesday PM1***
* Potential new projects for OmniRAN TG
* Conference calls until March 2019 F2F
* Status report to IEEE 802 WGs
* Next meeting
* AOB

## Review of minutes

* Review the minutes of Dec 11th confcall;
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0093-00-00TG-dec-11th-confcall-minutes.docx>
* Review the minutes of the Nov F2F:
* <https://mentor.ieee.org/omniran/dcn/18/omniran-18-0091-00-00TG-nov-2018-f2f-meeting-minutes.docx>
* No comments were raised.

## Reports

* P802.1CF is ready for forwarding to REVCOM after conclusion of sponsor ballot in December. Conditional approval of submission to REVCOM has been provided by EC in the November plenary meeting.
* Max will contact Walter to provide FrameMaker sources and .svg files of figures to Glenn Parson
* Max asked Hao to provide figures sources to create zip archive of the source files of all figures. He will forward the zip archive to Glenn.
* Submission deadline for the March 20th REVCOM meeting is February 8th.

## IEEE 802.1CF socialization activities

* Discussion of initial channels to create awareness for IEEE 802.1CF:
* 100 word notice to IEEE Communications Standards Magazine
  + Max will create draft of notice for review in OmniRAN TG
* Updated presentation on aim and content of standard
  + Max will update existing slide set to reflect final standards content
* Article for IEEE Communications Standards Magazine
  + Joint work of Max, Walter, Antonio, and Hao; to be started soon to reach submission deadline for September issue
* Potential IEEE 802 press release
  + Has to be approved by EC. Requires some customer quote, which may be challenging
* Contribution to IEEE future networks (conference)
  + Multiple options for contributions to conferences; scope and timeline of conference must fit. Hold for further considerations.
* Agreement to start with the first three items.

## Potential Nendica related contributions preview

* No contribution indicated

## Input to liaison response to ITU-T JCA-IMT2020

* Chair went through the liaison letter coming from ITU-T:
* [http://www.ieee802.org/3/minutes/nov18/incoming/JCA\_IMT2020\_LS-05\_to\_IEEE\_802d3.pdf.](http://www.ieee802.org/3/minutes/nov18/incoming/JCA_IMT2020_LS-05_to_IEEE_802d3.pdf)
* When browsing the website of ITU, the group discovered some category issues in the list of IEEE standards. And the description of these standards should reflect the scope and purpose of the document.
* <https://www.itu.int/net4/ITU-T/roadmap#?topic=0.130&workgroup=1.1178&searchValue=&page=5&sort=Revelance>
* Glenn will get in contact with 802.3 to find out about their plans
* The topic should be brought up to the EC to get all the other 802 WGs involved.
* Max will draft a document showing the proposed edits of 802.1
* Sending a liaison response requires 802.1 approval, which could happen in March

# Tuesday, January 15th, 2019

Reconvened at 10:30

* Reminder-call for IPR: Nothing brought up.
* Webex conference bridge was setup for remote participants.

## P802.1CQ contributions and discussions

* Requirements and scenarios documentation
* No contributions for discussion
* Security threats of dynamic local address assignment protocol
* <https://mentor.ieee.org/omniran/dcn/19/omniran-19-0001-00-CQ00-ieee-802-1cq-threat-analysis.pdf>
* Antonio presented his slides to security TG chair and OmniRAN showing the potential security threats leading to comprehensive discussions of potential threats
* Recommendation not to mention potential vulnerabilities caused through inappropriate implementation of 802 standards
  + Such statements could lead to the wrong impression of security weaknesses in 802 standards.
* Conclusion that local address assignment does not cause any new threats in addition to threats arising due to inappropriate implementations of the LAAP and LAAP components.
  + LAAP should avoid leakage of information through broadcast of responses, and should not add much overhead to the number of message exchanges for setting up a connection.
* Antonio will create text contribution out of presented material and discussions results.
* 802.1 position on MAC randomization
* <https://mentor.ieee.org/omniran/dcn/19/omniran-19-0002-00-CQ00-random-mac-impact.pptx>
* Max walked through his slides providing a summary of MAC address usage as device identifier for network operations as brought up by WBA.
* Agreement reached that WBA use cases are legitimate reasons to provide the possibility to assign static device identifier to stations for initiating the dynamic MAC address assignment
  + Static device identifier allows LAAP to assign fixed MAC addresses to devices.
* Antonio will draft a protocol proposal for secure signaling of a static device identifier to the access network
* Max will draft a section for the functional requirements describing the need to provide the possibility of fixed device identifiers

Recessed by chair at 15:35

# Wednesday, January 16th, 2018

Reconvened at 13:30

* Reminder-call for IPR: Nothing brought up.

## Discussions about potential future work in OmniRAN

* Satoko presented ‘What is potential future work in OmniRAN?’
* <https://mentor.ieee.org/omniran/dcn/19/omniran-19-0003-00-00ic-what-is-potential-future-work-in-omniran.pdf>
* Concept of generic model for data characterization with 5 categories
  + More simple and straightforward than current models under consideration in P60802
  + http://www.ieee802.org/1/files/public/docs2018/60802-industrial-use-cases-0918-v13.pdf
* Could become base of a generic model for all kind of applications
* Discussion led to the idea of potential specification of a generic data characterization model.
* Satoko was encouraged to create more comprehensive slide set for presentation to P60802 and TSN TG.

## Conference calls until March 2019 F2F

* Feb 6th, 2019, 09:00AM ET 1hr
* Feb 27th, 2019, 09:00AM ET 1hr
* Mainly aimed for review of P802.1CQ contributions
* Other topics as becoming available

## Status report to IEEE 802 WGs

* Group agreed on the slides drafted by the chair  
  <https://mentor.ieee.org/omniran/dcn/19/omniran-19-0004-00-00TG-jan-2019-report-to-ieee-802-wgs.pptx>

## Next meeting

* Vancouver, March 11th, 2019 at IEEE 802 plenary meeting

## AOB

* None

Meeting adjourned by chair at 15:15.